

4.2.B. 08010205020

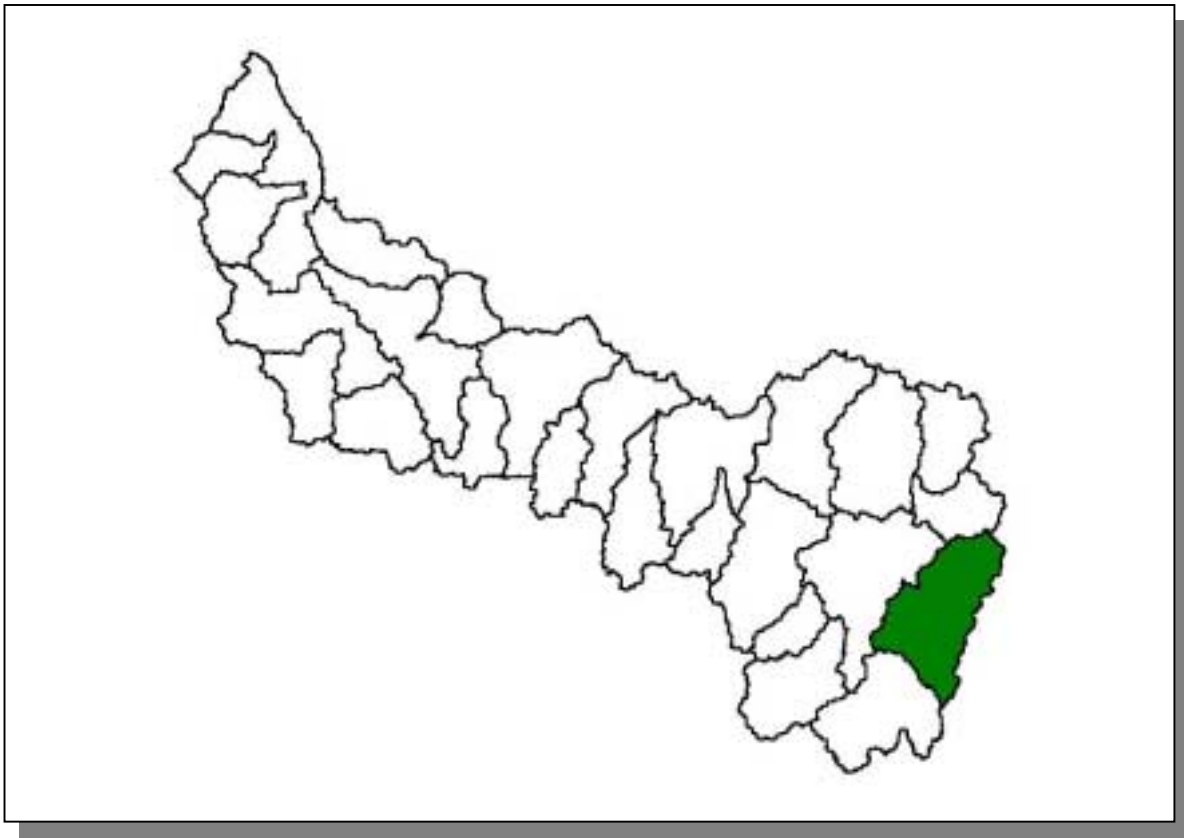


Figure 4-7. Location of Subwatershed 08010205020. All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.B.i. General Description.

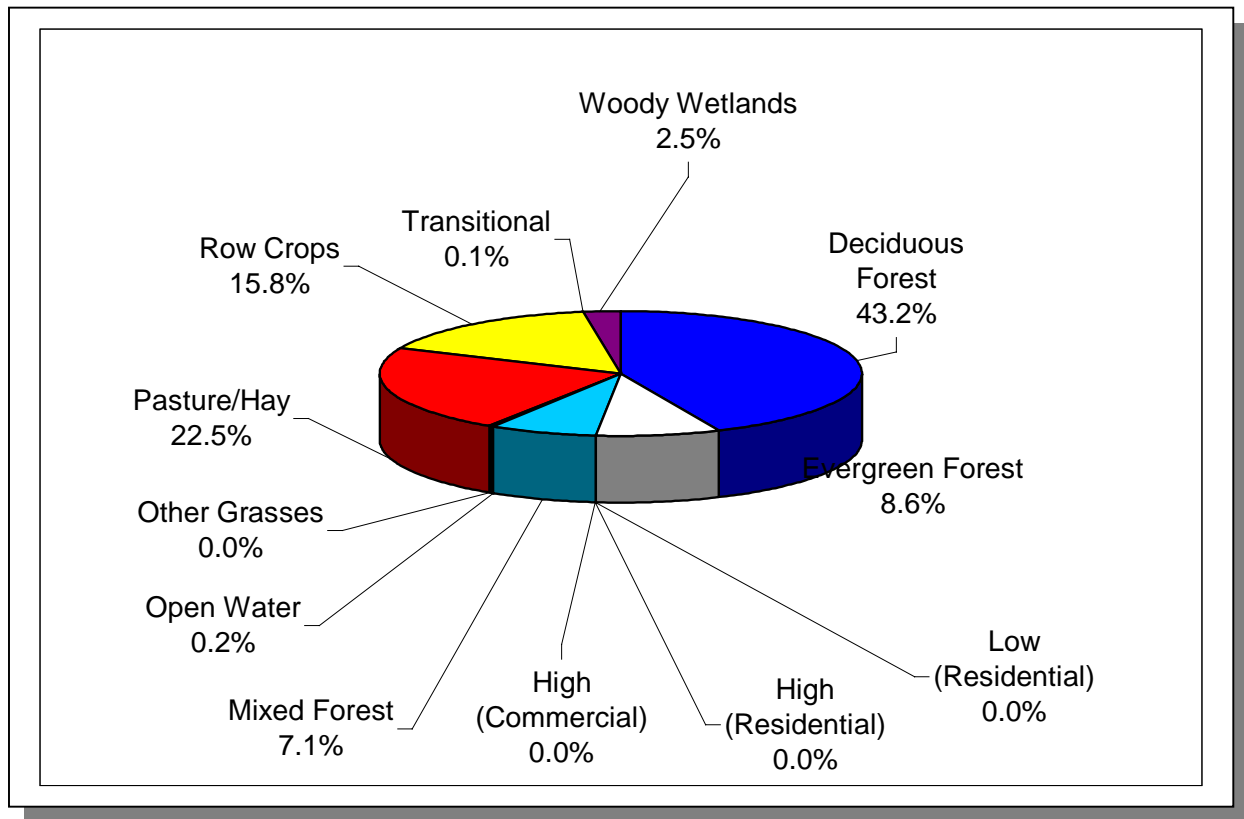


Figure 4-8. Land Use Distribution in Subwatershed 08010205020. More information is provided in SFFD-Appendix IV.

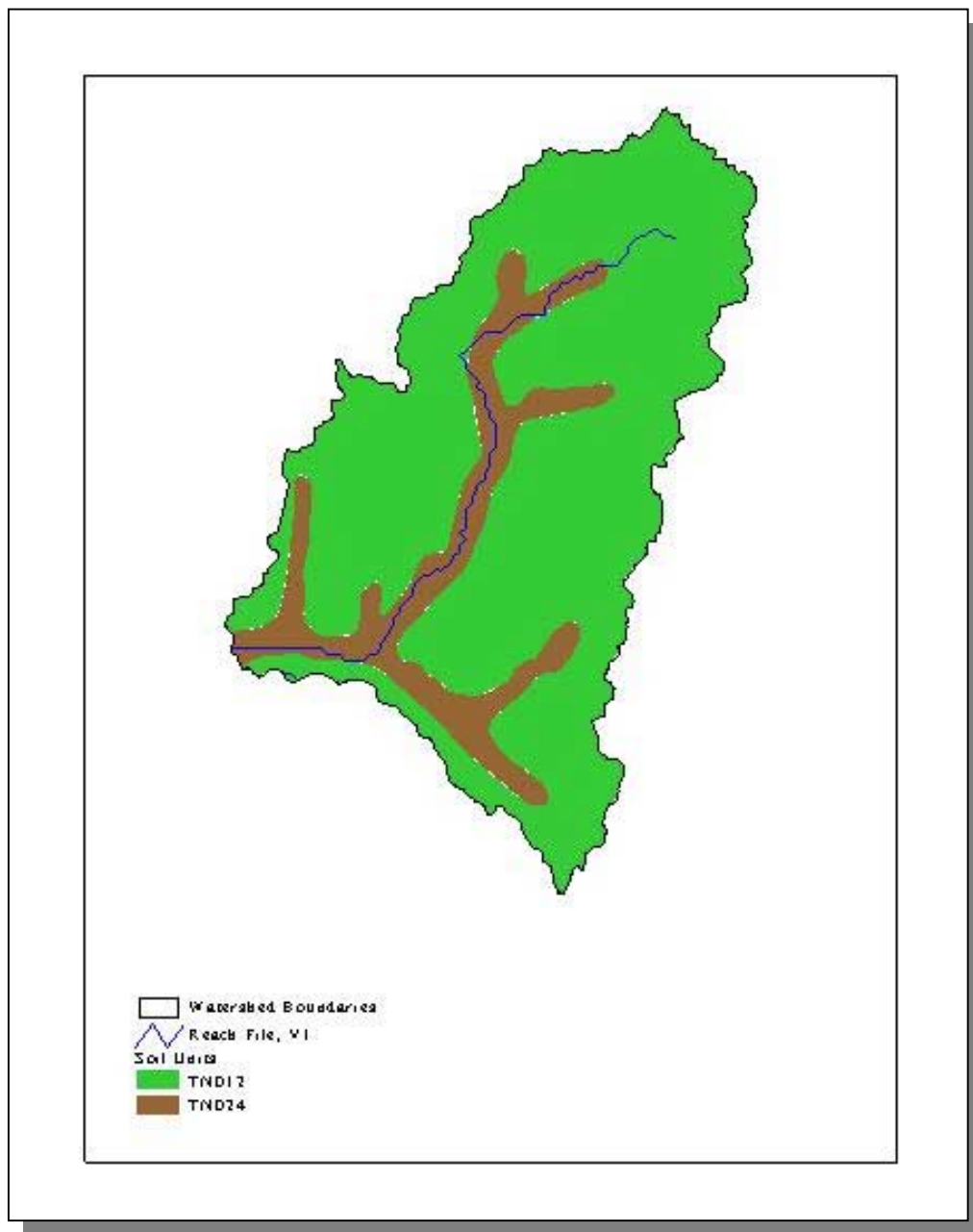


Figure 4-9. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205020.

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|------------------------|-------------------|---------------------|---------------------------|------------|---------------------------|---------------------|
| TN012 | 1.00 | C | 2.52 | 5.13 | Silty Loam | 0.39 |
| TN024 | 61.00 | D | 2.18 | 5.35 | Loam | 0.29 |

Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205020. More information is provided in SFFD-Appendix IV.

| County | COUNTY POPULATION | | Portion of Watershed (%) | ESTIMATED POPULATION IN WATERSHED | | % CHANGE |
|---------------|-------------------|---------------|--------------------------|-----------------------------------|--------------|-------------|
| | 1990 | 1997 Est. | | 1990 | 1997 | |
| Chester | 12,819 | 14,469 | 16.73 | 2,144 | 2,420 | 12.9 |
| Henderson | 21,844 | 24,000 | 1.03 | 226 | 248 | 9.7 |
| McNairy | 22,422 | 23,678 | 1.00 | 224 | 237 | 5.8 |
| Totals | 57,085 | 62,147 | | 2,594 | 2,905 | 12.0 |

Table 4-9. Population Estimates in Subwatershed 08010205020.



Figure 4-10. Location of Historical Streamflow Data Collection Sites in Subwatershed 08010205020. More information is provided in SFFD-Appendix IV.

4.2.B.ii. Point Source Contributions.

No Contributions.

4.2.B.iii. Nonpoint Source Contributions.

| LIVESTOCK (COUNTS) | | | | | |
|--------------------|--------|----------|----------|------|-------|
| Beef Cow | Cattle | Milk Cow | Chickens | Hogs | Sheep |
| 249 | 2,277 | <5 | <5 | 506 | <5 |

Table 4-10. Summary of Livestock Count Estimates in Subwatershed 08010205020. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

| County | INVENTORY | | REMOVAL RATE | |
|---------------|---------------------------------|---------------------------------|---------------------------------------|-----------------------------------|
| | Forest Land (thousand acres) | Timber Land (thousand acres) | Growing Stock (million cubic feet) | Sawtimber (million board feet) |
| Chester | 99.4 | 99.4 | 0.3 | 1.3 |
| Henderson | 158.5 | 158.5 | 3.6 | 12.8 |
| Madison | 140.7 | 140.7 | 2.4 | 11.5 |
| Totals | 398.6 | 398.6 | 6.3 | 25.6 |

Table 4-11. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205020.

| CROP | TONS/ACRE/YEAR |
|---------------------------------------|----------------|
| Corn (Row Crops) | 9.83 |
| Soybeans (Row Crops) | 6.46 |
| Cotton (Row Crops) | 17.01 |
| Other Cropland not Planted | 0.98 |
| Grass (Pastureland) | 0.41 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.51 |
| Forest Land (Grazed) | 0.00 |
| Forest Land (Not Grazed) | 0.00 |
| Farmsteads and Ranch Headquarters | 0.12 |
| Conservation Reserve Program Land | 0.42 |
| Grass (Hayland) | 0.25 |
| Legume Grass (Hayland) | 0.19 |
| Wheat (Close Grown Cropland) | 9.69 |
| Other Vegetable and Truck Crop | 28.15 |
| Sorghum (Row Crops) | 3.62 |
| Legume (Hayland) | 0.12 |

Table 4-12. Annual Estimated Total Soil Loss in Subwatershed 08010205020.